

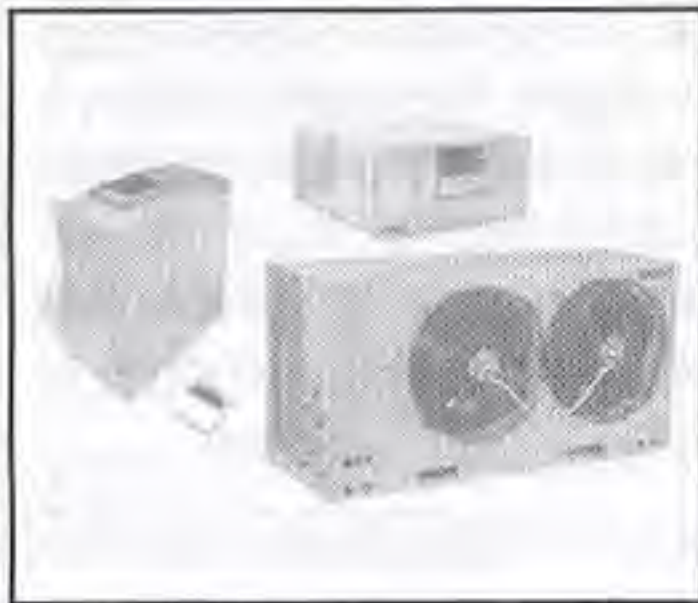
Minimum display reading: 0.001%. Maximum display reading: 125%. Used for HEPA filter leakage test & filter integrity test.

Aimil Ltd.,
New Delhi

≡ **Circle 142** ≡

Microcool Ductable Air Conditioner

Hitachi Home & Life Solutions(India) Ltd., is a subsidiary of Hitachi Home & Life Solutions, Inc, Japan. Situated in Gujarat; the Indian plant also exports Hitachi room air conditioners to the SAARC, Middle East, and other tropical countries in addition to catering to the Indian market. Now, for the 1st time in India, the company brings the new 16.5Tr Microcool Ductable Air conditioner which gives the flexibility of using the indoor unit as both floor-mounted or ceiling suspended.



The new air conditioner enhances the false ceiling aesthetics with smaller trap door below the IDUs. The IDU has a unique side access for servicing, enabling a 58% reduction in the trap door size, the company claims. The Auto Climate Technology provides optimal cooling. Automatic part load operation

takes place as the microprocessor senses the change in cooling load and accordingly adjusts the number of compressors in operation. The LCD remote lets you programme for ON or OFF timers in a day and avoid wasteful usage, saving power. The sleek remote control with the LCD screen gives a one point control of all features. The microprocessor protects the air conditioner from low pressure, high pressure, frosting of the IDU coil, single phasing reverse phasing and phase imbalance, over/under voltage and over/under current.

Hitachi Home & Life Solutions(India) Ltd.
Mehsana

≡ **Circle 143** ≡

Axial Fans

Refrigeration Warehousing & Trading Company is an Indian owned refrigeration and air conditioning wholesaler in the HVAC/R industry. The company is engaged in the wholesale distribution of air conditioning, refrigeration, heating, and ventilation equipment, supplies, and replacement parts in Southern India. The company offers Favelle make axial fans for refrigeration and air conditioning equipment. The salient features of the axial

fans are:- The applicable ambient temperature of the condenser fan motors is from 0°C to +60°C. The applicable ambient temperature evaporator fan motors is -30°C to 0°C. The average service life of motors is over 30,000hrs. All motors have CE approval in Europe. Fan motors available in sizes ranging from 8" to 28" dia.

Refrigeration Warehousing & Trading Company
Bangalore

≡ **Circle 144** ≡

Outdoor Air-Conditioning Unit

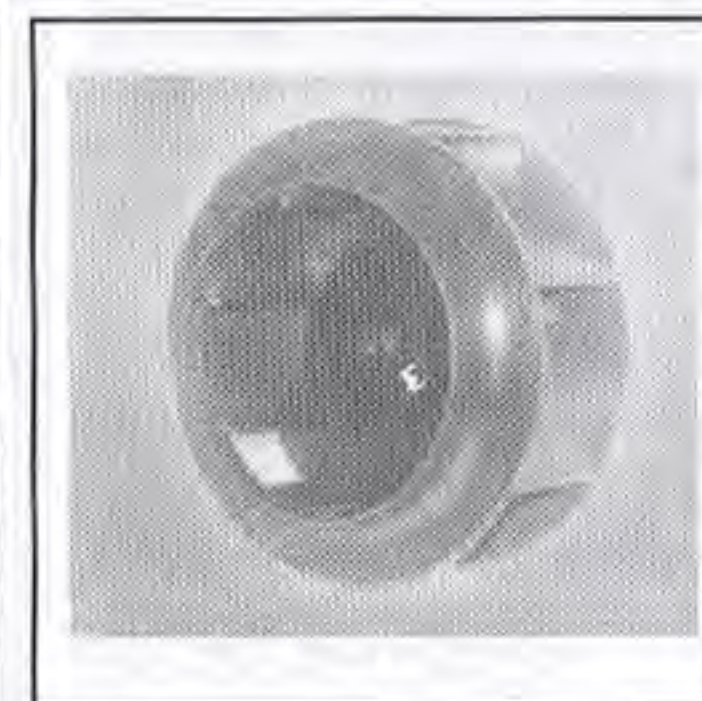
LG Electronics India P.Ltd. a subsidiary of L.G. Electronics, Korea, is a leading manufacturer of consumer durable appliances. The company offers outdoor air-conditioning unit in place of installing multiple ACs. With LG MPS, the one system that supports various indoor units of different kind. Besides saving the space for different outdoor units, it ensures huge savings in power consumption. With the two constant speed compressors, working in tandem to share the load of all air conditioners in homes.

LG Electronics India P.Ltd.
Greater Noida (UP)

≡ **Circle 145** ≡

Backward Curve Centrifugal Fan

The fans are carefully designed to meet the requirement of various industrial applications. These fans are of heavy duty construction with static and dynamically balanced impellers, which give trouble-free performance.



Such fans have completely Backward Curved Blades, which makes it ideal to handle relatively clean air at maximum efficiency. The static pressure developed by the fan is used on discharge side of the fan. Centrifugal Blowers have application in Printers, Overhead Projectors, Xerox

Machines, and Vending Machines among others.

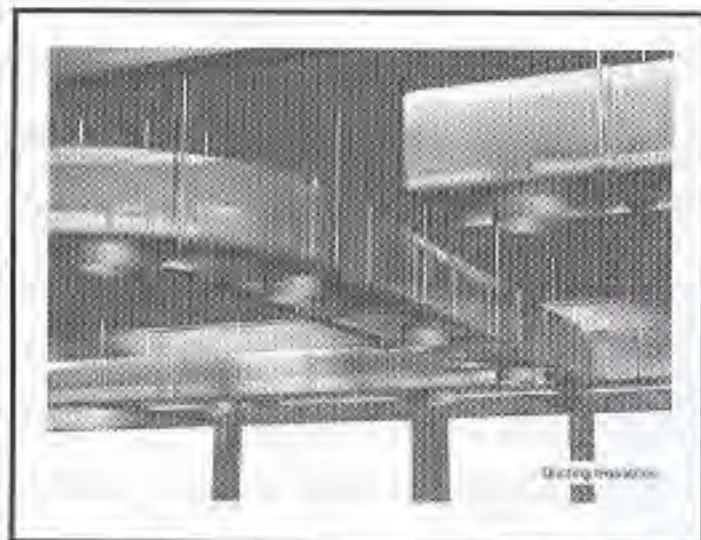
Dynamic Fans Marketing Pvt Ltd,
Mumbai

≡ **Circle 146** ≡

Heat Insulation Material

The Supreme Industries Ltd. Is one of the largest manufacturer of plastic materials in India. The company offers 'INSUshield' insulation material. INSUshield provides unfailing thermal insulation that can

help save a considerable amount of energy notably in HVAC & R. INSUshield is a non-fibrous fire retardant closed cell, tri-dimensional chemically cross-linked polythene foam. An ideal environmental friendly insulation



material with a perfect solution for ducts, roofs, pipes, vessels etc. The salient features of INSUshield are:- CFC free and non-carcinogenic. Excellent thermal insulation properties. Wide operating temperature range from -

40°C to + 115°C. High water vapour resistance. Flexible, easy to install and maintenance-free. The company also offers INSUboard an extruded polystyrene foam, INSUreflector that reflects 95 to 99% of radiant heat beneath slated roofs and INSUsound- a flexible open cell foam, ideal for sound insulation.

The Supreme Industries Ltd.,
Mumbai

Circle 147

Refrigeration Air Dryers

Gem Refrigerated Air Dryers are compact in design with small footprint and low pressure drop. Gem Air Dryers provide consistent dewpoint and are highly reliable. It consists of (1) 'Tube in Tube noncorrosive heat exchanger, designed to have lower pressure drop and higher efficiency contains in built centrifugal moisture separator having dead zone to avoid carry over of condensate, (2) PUF insulation for heat exchanger assembly, (3) Electronic timer operated Auto Drain Valve, (4) Universally available refrigeration components like compressor, Fan Motor, Filter Dryer, Expansion Valve etc (5) Non-Cyclic Refrigeration systems, with the help of hot gas bypass valve to cater varying load condition and seasoned adjustments and (6) Gem Refrigerated Air Dryers are filled with 'ozone friendly R134a refrigerant. Gem Dryers are pre wired/pre piped and are ready to install and operate. The electrical system is in accordance with application code and uses international components. A 'Fit and Forget' unit that requires least maintenance (Troubleshooting and installation guidelines are given in manual that will be supplied along with Dryer). A range of Air Dryers are available from the capacity of 20 cfm to 2500 cfm with pressures up to 16 bar (g). Shell & Tube heat exchanger models for capacities from 3000

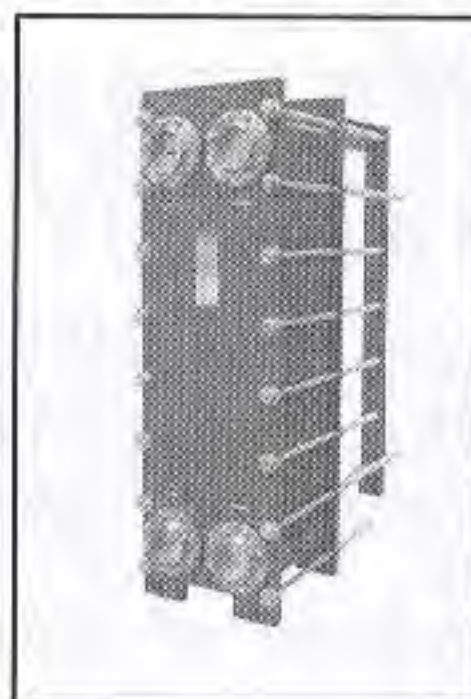
cfm to 10000 cfm. Gem has separate series for high pressure requirement (42 bar g). Gem also manufactures dryers with 400 bar operating pressure.

Gem Equipments Limited,
Coimbatore

Circle 148

Plate Type Heat Exchangers

GEA Ecoflex India P.Ltd. a part of GEA Group which is one of the leading international partner for process engineering HVAC and refrigeration engineering, heat and power engineering. The company is specialized in manufacturing in wide range of plate type heat exchangers. The company offers brazed plate heat exchangers. They are manufactured in five sizes in model series 12, 18, 25, 57 & 100. Brazed plate heat exchangers consist of pressed stainless steel plates which are brazed with



copper in a vacuum process. For brazing, every other plate is rotated by 180 degrees in the plane to produce to separate flow channels in which the products involved in heat transfer flow in opposite direction. The plate contours generate a highly turbulent flow allowing very efficient heat transfer even with

low volumetric flows. Heat transfer depends on the angle of the V-shaped profiling of the individual plate types. The flow gaps produced in this way generate different degrees of turbulences which determine the heat transmission. Three different V-shaped profiling are available, referred to as H, M & L.

GEA Ecoflex India Pvt. Ltd,
Navi Mumbai

Circle 149

Sealless Canned Motor Pumps

Hydrodyne (India) Pvt. Ltd of Mumbai are the manufacturers and Developers of Sealless Canned Motor Pumps for Industrial Refrigeration, Cold Storage and IQF, to run leak-free and trouble free for years on end, without need for maintenance and contribute in many ways to production and profits, is the most ideal